



SVCE

Sri Venkateswara
College of
Engineering

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Consciousness for Quality

DEPARTMENT
OF
COMPUTER SCIENCE AND ENGINEERING



NEWSLETTER
DECEMBER 2022
(VOL. 5, ISSUE 8)





DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING

CSE - BYTES



NEWSLETTER
ACADEMIC YEAR: 2022-2023
VOLUME 5, ISSUE 8
(DECEMBER 2022)



Contents

S.NO	HEADINGS	Pg. No
1	ABOUT THE DEPARTMENT	01
2	MESSAGE FROM HOD	03
3	STUDENT ACHIEVEMENTS	04
4	PLACEMENT ACTIVITIES	11
5	FACULTY INTERACTIONS	12
6	FACULTY ACHIEVEMENTS	14
7	RESEARCH ACTIVITIES	15

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering was established in the year 1985. Over the past few years, the department has acquired national and international importance. This has been achieved by the collective and responsive effort of the faculty, the supporting staff and the students. The department is well equipped with excellent computing facilities, and has highly qualified faculty specialized in areas like Cloud Computing, Artificial Intelligence, Machine Learning, Data Analytics, Cyber Security, Networking, Data Mining etc.

Programmes offered:

- B.E. Computer Science and Engineering
- B.Tech. Artificial Intelligence and Data Science
- M.E. Computer Science and Engineering
- Ph.D. Computer Science and Engineering

ABOUT THE DEPARTMENT

VISION

To excel in providing education and research in the field of computer science and engineering in the cutting edge technology so as to produce competence professional at global level.

MISSION

- Competent and trained faculty enriching the aptitude of the student to generate innovative and effective problem solving skills with professionalism
- Providing strong research and state of the art facility to the students to face dynamic challenges of industry and society
- Educating the students to be successful, ethical and lifelong learners

MESSAGE FROM HOD



Dr. R. Anitha
Professor/CSE

I would like to express my sincere appreciation for all the tremendous efforts put forth by the newsletter team in the month of December 2022. This Newsletter ‘CSE - BYTES’ is a forum to expose the events, happenings, and achievements in the department as well as provide a platform to exhibit the talents of the budding engineers and the faculty as well.

This newsletter will definitely create an impact in the minds of readers by providing a wider visibility and new dimension to the learning community. I hope that this culture of releasing newsletter will continue forever with the support from both the students and the faculty.

Student Achievements

STUDENT ACHIEVEMENTS

STUDENT PARTICIPATION

Mr. Vinochan K B, II/CS attended the RESIDENTIAL STUDENT WORKSHOP in IIT Madras from DEC 12 – DEC 14 2022.

List of activities covered during the program

- RSW 22-23 Inauguration by Prof. V Kamakoti, IITM Director
- Out of Box Thinking
- Case Analysis for Innovation
- Think Like an Engineer
- Presentation Tips
- Biomimicry
- Mini Problem-solving projects.
- Lab visits / demos - by IIT faculty/research scholars.
- Learnings of Life - appreciating creativity through various mediums and process management
- Valediction- Chief Guest – Prof. Mahesh, Dean (Alumni & Corporate Relations), Certificate Distribution



RSW WORKSHOP @ IIT



STUDENT ACHIEVEMENTS

STUDENT PARTICIPATION

The First Year CSE (30) and ADS (20) students along with their FA's were participated in the Disaster and Awareness Management Training held on 17.12.2022.



DISASTER AND AWARENESS MANAGEMENT TRAINING



STUDENT ACHIEVEMENTS

STUDENT PARTICIPATION

Mr. Vishnuvasan T S, III/AD, Mr. G. Rahul, III/AD and Mr. M. John William, III/CS have actively participated at the MLH empowered Central India's Largest Hackathon, Version Beta 5.0 organized by ISTE SC MANIT from 02-12-2022 to 04-12-2022.



MLH EMPOWERED CENTRAL INDIA'S LARGEST HACKATHON



STUDENT ACHIEVEMENTS

STUDENT PARTICIPATION

Mr. Kolla Mohan Rao, III/CS actively participated has participated in the Quiz (Online Assessment) of Hero Campus Challenge Season 8 organised by Hero MotoCorp Limited.



CAMPUS CHALLENGE SEASON

STUDENT ACHIEVEMENTS

STUDENT PARTICIPATION

Mr. M. Balaji, III/CS attended a training programme on Networking with Eduxlab, Chennai during the period 04-12-2022 to 10-12-2022.

Ms. Shanmathi V and Ms. Srinidhi S from I/CS have actively participated in the Quiz (Online Assessment) of Hero Campus Challenge Season 8 organised by Hero MotoCorp Limited.



CAMPUS CHALLENGE SEASON

PUBLICATIONS

Mr. Praveen Kumar K, IV/CS, Mr. Sankar Lal T E, IV/CS, Mr. Shashwanth S, IV/CS, presented a paper titled "GPS and QR based Vehicle Tracking System" at the Two days International Conference on “Digital Archiving and Presentation on Cultural Heritage of India” organized by AMET University, Chennai held on 8-9 December 2022.



STUDENT ACHIEVEMENTS

SPORTS ACTIVITIES

Mr. Kiran M S, I/AD received the Runner Up in the Tamil Nadu State Karate Championship – 2022 conducted by the Sports Karate Association of Tamil Nadu, on the 4th December 2022 at Jamal Mohamed College, Tiruchirappalli under the category 21 years Male.



KARATE CHAMPIONSHIP – 2022

STUDENT ACHIEVEMENTS

SPORTS ACTIVITIES

Mr. Purushothaman R, I/CS secured First place in Tamilnadu Yoga Carnival & 77th Tamilnadu Yoga Sports Open Championship 2022 held on 3rd December 2022 at Sethpathi Higher Secondary School, Madurai.

Mr. Purushothaman R, I/CS secured First position in Hand Balancing event conducted by World Sports Yoga Championship 2022 held on 4rd December 2022 at U.C.C.K Mat.Higher Secondary School, Ayarambakkam.



YOGA CARNIVAL

Placement Activities

PLACEMENT ACTIVITIES

PLACEMENT TRAINING

OBJECTIVE:

- To create awareness about "career planning" and "career mapping" among the students.
- To train the students on "Personality development".
- To organize Various Training Programmes to train the students in the areas of Quantitative Aptitude, Logical reasoning and Verbal reasoning.

TRAINING PROVIDED BY: “SPRINGBOARDS”

PARTICIPANTS: First year students of CS and AD

DATE: 05/12/22 to 08/12/22 and 12/12/22 to 13/12/22



TRAINING AND PLACEMENT SESSION - SPRINGBOARD

- Train the Trainer - Conducted a training program for the faculty members on 29-12-22. Twenty One Faculty members from CSE Department have attended this programme.

Faculty Interactions & Achievements

FACULTY INTERACTIONS

Events Attended

Dr. R. Jayabhaduri, Professor/CSE, attended a 3 days Faculty Development Programme on “Stress Management” organized by ICT Academy at K.C.S. Kasi Nadar College of Arts and Science during December 12-14, 2022.

Dr. R. Jayabhaduri, Professor/CSE, attended a 5 days Faculty Development Programme on “Optimization Techniques and its Emerging Applications” organized by the department of Electrical and Electronics Engineering, PSG College of Technology, Coimbatore during December 19-23, 2022.

Ms. S. Rajalakshmi, Associate Professor/CSE, attended FDP on "Advanced Green Computing Technology in Healthcare", conducted by IEEE Student Branch, Saveetha Engineering College, Chennai from 26/12/2022 to 30/12/2022.

Ms. S. Poorani, AP/CSE, attended Five days FDP on Industry 4.0 organized by Department of Information Technology from 5/12/2022 to 09/12/2022 at Easwari Engineering College, Chennai.

Ms. Rupa Kesavan, AP/CSE, attended a five days workshop on Industry4.0 from 5/12/2022 to 9/12/2022 at Easwari Engineering College Chennai.

Dr. D. Vinodha, AP/CSE, attended Six days online FDP on “Cloud Computing and its Applications” organized by Department of Computer Science and Engineering held from 28-11-2022 to 3-12-2022 at G. PULLA REDDY ENGINEERING COLLEGE (Autonomous), Kurnool.

Dr. S. D. Nandakumar, AP/CSE, attended a FDP on Innovation in Recent Trends in Computing, JIS University, Kolkata from 28/11/2022 to 02/12/2022.

FACULTY INTERACTIONS

Events Attended

Mr. Vibith A S, AP/CSE, attended a workshop on Academic Research and Publication in High Quality Journals, organized by Centre for Research and University Library, Anna University on 20/12/2022.

Ms. P. Uma, AP/CSE, attended a Five days International FDP on Innovation in Recent Trends in Computing organized by Department of Computer Science & Engineering, JIS University, Kolkata, from 28/11/2022 to 02/12/2022.

Ms. Shobhanjaly P Nair, AP/CSE, attended One Week International FDP on Innovation in Recent Trends in Computing from 28.11.2022 to 02.12.2022.

Ms. M. Shanthalakshmi, AP/CSE, attended a 5 days FDP on Industry 4.0 conducted from 5.12.2022 to 9.12.2022 at Easwari engineering college

FACULTY ACHIEVEMENTS

Guest Lectures Delivered

Dr. R. Jayabhaduri, Professor/CSE has delivered a Guest Lecture on "Real-World Implementation of AI and Exploring its effect in our Day to-Day Life" for The Two-Day Workshop On Application Of Artificial Intelligence In Everyday Life organized by the Department of Computer Science (AI & ML), Rajiv Gandhi National Institute of Youth Development (RGNIYD), Sriperumbudur on December 12, 2022



**Resource Person: Dr. R. Jayabhaduri,
Prof. / CSE, SVCE**

RESEARCH ACTIVITIES

RESEARCH ACTIVITIES

RESEARCH PRESENTATIONS

Ms. Poorani S, AP/CSE has presented her Pre-Confirmation Seminar presentation titled "Data Security in Cloud Using Quantum Cryptography" on 12.12.2022, under the Guidance of **Dr. R. Anitha, Professor & Head/CSE**.

Ms. Poorani S, AP/CSE has completed her Confirmation Meeting on 13.12.2022, under the Guidance of **Dr. R. Anitha, Professor & Head/CSE**.

REVIEWER CONTRIBUTIONS

Dr. N. Rajganesh, Associate Professor/CSE acted as reviewer in Journal of Multimedia Tools and Applications, Springer.

Dr. T. Padmavathy, Associate Professor/CSE, acted as reviewer in Journal on Today's Ideas - Tomorrow's Technologies (JOTITT) – Reviewed article titled "Fully Homomorphic Encryption in Machine Learning for Preserving Data Privacy".

Ms. M. Shanthalakshmi, AP/CSE, acted as a reviewer in OPJU International Technology Conference on Emerging Technologies for Sustainable Development which is to be held on 8-10 Feb 2023 at O.P.Jindal University, Chattisgarh.

RESEARCH ACTIVITIES

RESEARCH SUPERVISORS



Dr. R. Anitha, Prof. & HOD - CSE

Area of Interest: Cloud Computing, Data Mining, Large Scale Database, Data Structures and Algorithms & Big Data Analytics.



Dr. J. M. Gnanasekar, Prof. - CSE

Area of Interest: Web Technology, Cloud Computing, Service Oriented Computing.



Dr. N. Rajganesh, Associate Professor - CSE

Area of Interest: Artificial Intelligence, Machine Learning, Cloud Computing, SOA.



Dr. P. Vinothiyalakshmi, Associate Professor - CSE

Area of Interest: Cloud Computing, Internet of Things (IoT), Machine Learning, Data Structures, OOPS, Operating System, Computer Networks, Data Mining.



RESEARCH ACTIVITIES

RESEARCH PUBLICATIONS

Dr. R. Anitha, Ms. S. Senthamizh Selvi, (2022), Bilingual Corpus-based Hybrid POS Tagger for Low Resource Tamil Language: A Statistical approach, Journal of Intelligent and Fuzzy Systems, August 2022, **Impact factor: 1.737.**

Dr. R. Anitha, Ms. S. Senthamizh Selvi, (2022), Computer Assisted Learning System for the Tamil Grammar Punarial, 21st Tamil Internet Conference, Tamil University, Thanjavur on 15th to 17th Dec 2022.

Ms. S. Poorani, Dr. R. Anitha, (2022), “A Cognitive Distortion(CD) based protocol for secured data transmission in intelligent system”, in 6th International Conference on Electronics, Communication and Aerospace Technology (ICECA 2022) organized by RVS Technical Campus, Coimbatore, Tamilnadu held on 1-3 December 2022.

Mr. K. Praveen Kumar (IV/CS), Sankar Lal T E (IV/CS), Shashwanth S (IV/CS), **Ms. S. Poorani, Dr. R. Anitha, (2022),** "GPS and QR based Vehicle Tracking System", in Two days International Conference on “Digital Archiving and Presentation on Cultural Heritage of India” organized by AMET University, Chennai held on 8-9 December 2022.

RESEARCH ACTIVITIES

RESEARCH PUBLICATIONS

Mr. Pradeep S (IV/EC), Kishore M (IV/EC), Oviya G(IV/EC), **Ms. S. Poorani, Dr. R. Anitha**, (2022), "XGBoost based Prediction and Evaluation model for Enchanting Subscribers in Industrial sector", in the 4th International Conference on Computing Communication and Cyber Security (IC4S 2022) organized by IEI Delhi India held on 16-17 December 2022.

Mr. M. Lakshmanan, has presented a paper titled "Emotional Analysis Through Deep Learning Models", in 3rd international conference on smart technologies in computing electrical and electronics, held at REVA University during 16.12.2022 to 17.12.2022.

Ms. P. Uma, (2022), "Automated Helpdesk Using Supervised Learning", Journal of Advances in Computational Intelligence Theory, HBRP Publication, Volume 4, Issue 3, December 22.

Ms. P. Uma, (2022), "Embedded AI application in Defense UAV", Journal of Advances in Computational Intelligence Theory, HBRP Publication, Volume 4, Issue 3, December 22.

RESEARCH ACTIVITIES

PATENT PUBLICATIONS

Dr. R. Anitha, Prof./CSE, Ms. Rupakesavan, AP/CSE, Ms. S. Poorani, AP/CSE, Ms. VP. Nivedita, IV/CS, Mr. B. Sudarshan, IV/CS, Ms. Neha Bhende, III/CS, and Ms. G. Subasri, III/AD have published a patent titled "*IOT BASED SMART SYSTEMS USING ML AND AI VULNERABILITIES AND INTELLIGENT SOLUTIONS*", in IPR, Chennai and it is published in the Patent Office Journal.

Application No. : 202241070181 A

Published On : 09/12/2022

The Patent Office Journal No : 49/2022 Dated 09/12/2022.

Ms. S. Rajalakshmi, Associate Professor/CSE, Ms. J. Buvana, AP/CSE, Ms. R. Gayathri, AP/CSE, Dr. N. Revathi, Associate Professor/CSE, filled an Indian patent titled "A Modern Digital Framework for Cities Based on Block Chain and Fog Computing Technologies", on 16/12/2022.

Ms. Rupa Kesavan AP/CSE, published an Indian patent titled "Solar Forecasting Methods For Renewable Energy Integration Performance Towards Industry Standards", in IPR Chennai and the same was published in the Patent Office Journal. Application No.202241067474 A INDIA, Date of filing of Application : 24/11/2022. Publication Date: **02/12/2022.**



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